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MAGERY
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PHOTOGRAPHIC INTELLIGENCE REPORT

VITAL RECORDS COPY

STATUS OF MAJOR CEMENT PLANTS IN

COMMUNIST CHINA DURING 1966

DECLASS REVIEW by NIMA/DOD

25X1



CIA/PIR75089

25X1

DATE FEB. 1967

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PAGES 16

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STATUS OF MAJOR CEMENT PLANTS IN
COMMUNIST CHINA DURING 1966

An analysis was made of 44 selected cement plants in Communist China to detect any new construction activity and to determine the operational status of each plant for the year 1966.

Of these plants, 29 underwent no change and 10 were expanded during 1966. Descriptions of the plants that were expanded can be found on the attached table. A thorough search of the remaining 5 areas failed to reveal any evidence of cement facilities. These areas are as follows: Cheng-yang (36 18N - 120 22E), Chin-chou (41 03N - 120 59E), Han-tan (36 35N - 114 29E), Kai-yuan (23 42N - 103 16E), and Shih-tsui-shan (39 21N - 106 52E).

The study revealed a total of 86 rotary kilns of which 63 were in operation on the latest available imagery. The number of kilns at each plant and the date on which they were seen in operation can be found on the attached table.

Imagery of certain selected cement plants and the plants that underwent major revision during 1966 accompanies this report.

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MAJOR CEMENT PLANTS OF COMMUNIST CHINA

<u>LOCATION</u>	<u>NUMBER OF KILNS</u>	<u>NUMBER OF KILNS IN OPERATION</u>	<u>ALTERATION</u>
Chiang-shan 28 42N - 118 34E	2 rotary	<div></div>	No apparent change since [redacted] (See Figure 1). 25X1
Chiang-yu 31 59N - 105 04E	3 rotary		No apparent change since [redacted] 25X1
Chi-hsin 39 38N - 118 11E	4 rotary		Between [redacted] and [redacted] two silos have been added (See Figure 2). 25X1
Chin-hsi 40 46N - 120 51E	3 rotary		No apparent change since [redacted] 25X1
Chiu-chiang 29 37N - 116 07E	1 rotary		No apparent change since [redacted] 25X1
Chou-shui-tzu (Dairen) 38 58N - 121 32E	3 rotary		No apparent change since [redacted] 25X1
Chu-tien 28 43N - 117 04E	0		The construction of two rotary kilns at this facility was abandoned while in the early stages in [redacted] 25X1

25X1

25X1

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<u>LOCATION</u>	<u>NUMBER OF KILNS</u>	<u>NUMBER OF KILNS IN OPERATION</u>	<u>ALTERATION</u>
Chung king 29 32N - 106 34E	4 rotary	25X1	Imagery of 1966 is not available, but no change was noted between [redacted]
Fu-la-erh-chi 47 11N - 123 38E	0		The construction of this facility was abandoned while in the early stages in [redacted] [redacted] The number of kilns to be built can not be determined. 25X1
Fu-shun 41 51N - 123 49E	2 rotary		No apparent change since [redacted] 25X1
Ha-erh-pin (Harbin) 45 50N - 126 43E	3 rotary		One small support building was added be- tween [redacted] 25X1 [redacted] 25X1 [redacted] 25X1
Hsiang-hsiang 27 44N - 112 12E	2 rotary		One of the rotary kilns was added between [redacted] [redacted] 25X1
Huang-shih 30 14N - 115 04E	2 rotary		[redacted] silos have been added (See Figure 4).

25X1

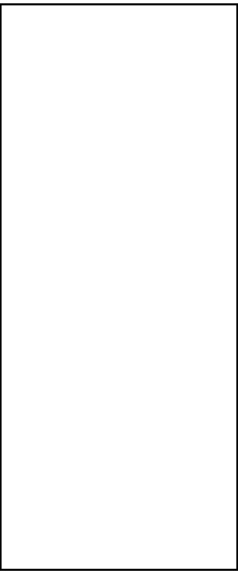
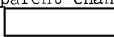
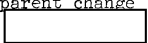
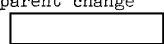
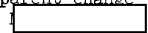
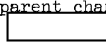
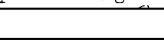
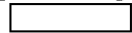
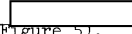
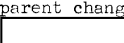
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<u>LOCATION</u>	<u>NUMBER OF KILNS</u>	<u>NUMBER OF KILNS IN OPERATION</u>	<u>ALTERATION</u>	
Chi-lin (Kirin) 43 53N - 126 32E	2 rotary		No apparent change since 	25X1 25X1
Kuei-yang 26 32N - 106 40E	4 rotary		No apparent change since 	25X1
Kung-yuan 41 16N - 123 43E	2 rotary		No apparent change since 	25X1
Kun-ming 25 01N - 102 37E	2 rotary		No apparent change since 	25X1
Liu-chou 24 22N - 109 15E	2 rotary		No apparent change since 	25X1
Liu-li-ho 39 35N - 116 02E	3 rotary		No apparent change since 	25X1
Lung-tan 32 10N - 119 03E	4 rotary		No apparent change since 	25X1
Miao-tou-chai (Lo-yang) 34 45N - 112 02E	2 rotary		The clinker building has been lengthened since  (See Figure 5).	25X1
Mu-tan-chaing (Wen-chun) 44 25N - 129 29E	2 vertical	Un	No apparent change since 	25X1

25X1
25X1

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<u>LOCATION</u>	<u>NUMBER OF KILNS</u>	<u>NUMBER OF KILNS IN OPERATION</u>	<u>ALTERATION</u>	
Mu-tan-chaing (Wen-chun) 44 26N - 129 29E	1 rotary		The rotary kiln at this plant was constructed	25X1 25X1
Nan-chiang (Chiang-nan) 32 10N - 118 58E	1 rotary		No apparent change	25X1
Nan-ping 26 36N - 118 10E	2 rotary		No apparent change	25X1
Pench'i 41 15N - 123 43E	2 rotary		One small support building has been	25X1
Shanghai 31 09N - 121 27E	5 rotary 2 vertical		No apparent change	25X1
				25X1
Tai-yuan 37 52N - 112 25E	2 rotary		No apparent change	25X1
				25X1
Ta-tung (Kou-chuan-chen) 39 59N - 113 07E	4 rotary		No apparent change	
Urunchi 43 48N - 087 35E	2 rotary		No apparent change since	25X1

LOCATION

NUMBER OF KILNS

NUMBER OF KILNS
IN OPERATION

ALTERATION

Wu-chang (1)
30 38N - 114 25E

1 rotary

Wu-chang (2)
30 38N - 114 24E

2 vertical

Wu-chang (3)
30 38N - 114 24E

0

Yao-hsien
34 56N - 108 59E

3 rotary

Ying-te
24 19N - 117 19E

0

[redacted] four silo
and one support building
have been constructed
(See Figure 7).

[redacted] nine silo
and three support
buildings have been
constructed (See
Figure 8).

This plant was aban-
doned while in the
early stages of con-
struction in [redacted]
The plant consists of
foundations for two
rotary kilns and six
silos, (See Figure 9).

No apparent change
since [redacted]

The construction of the
two rotary kilns at this
plant was abandoned
while in the early stages
[redacted]

25X1	<u>LOCATION</u>	<u>NUMBER OF KILNS</u>	<u>NUMBER OF KILNS IN OPERATION</u>	<u>ALTERATION</u>	
	Yung-an 26 02N - 117 19E	1 rotary	[redacted]	No apparent change since [redacted]	25X1
	Yung-teng 36 55N - 102 50E	4 rotary		No apparent change since [redacted]	25X1
	Kuang-chou 23 09N - 113 14E	4 rotary		Two support buildings have been added since [redacted]	25X1
	Chao-hsien 31 36N - 117 52E	2 rotary		No apparent change since [redacted]	25X1

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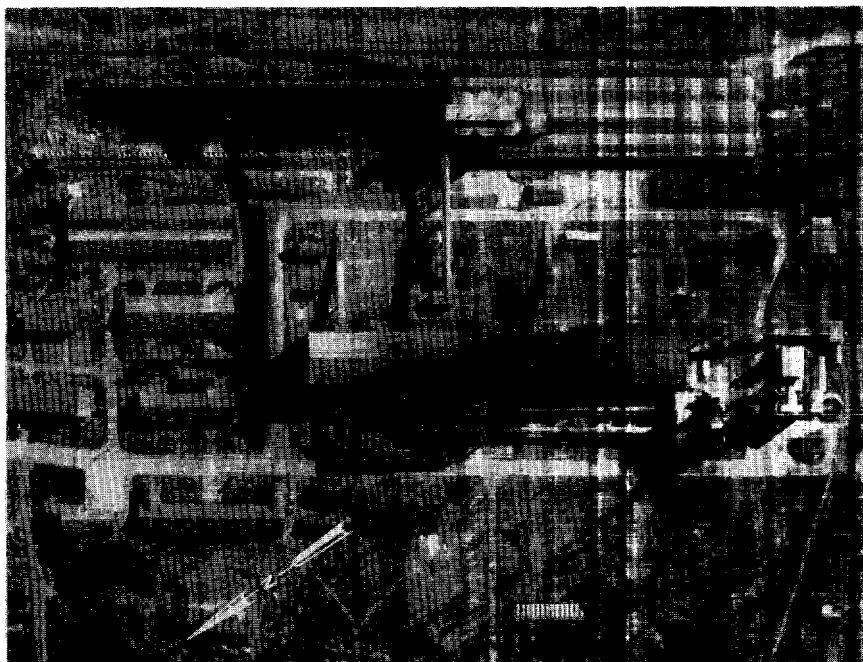


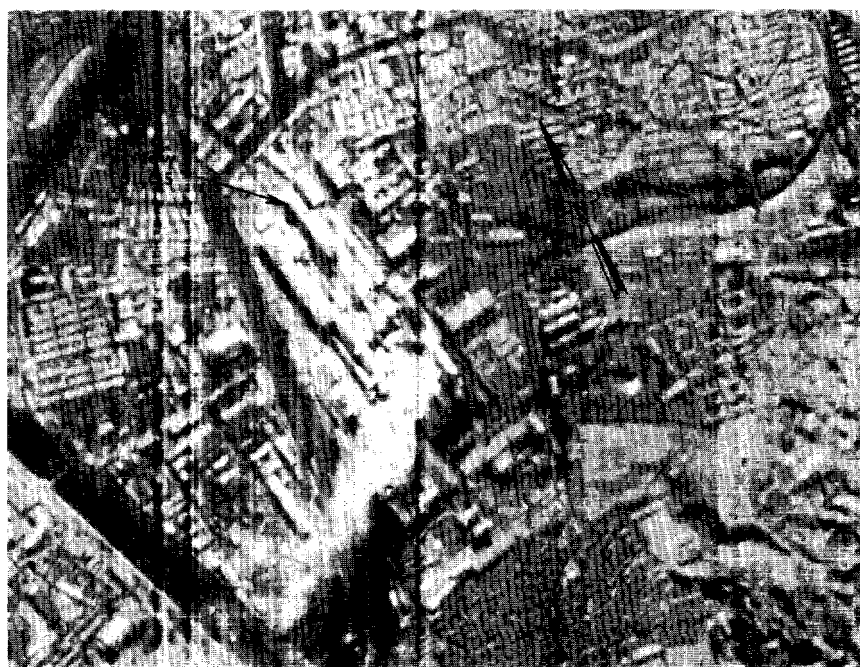
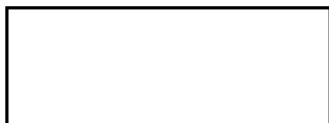
FIGURE 1
CHIANG-SHAN CEMENT PLANT
28 42N - 118 34E

25X1



FIGURE 2
CHI-HSIN CEMENT PLANT
39 38N - 118 11E

25X1



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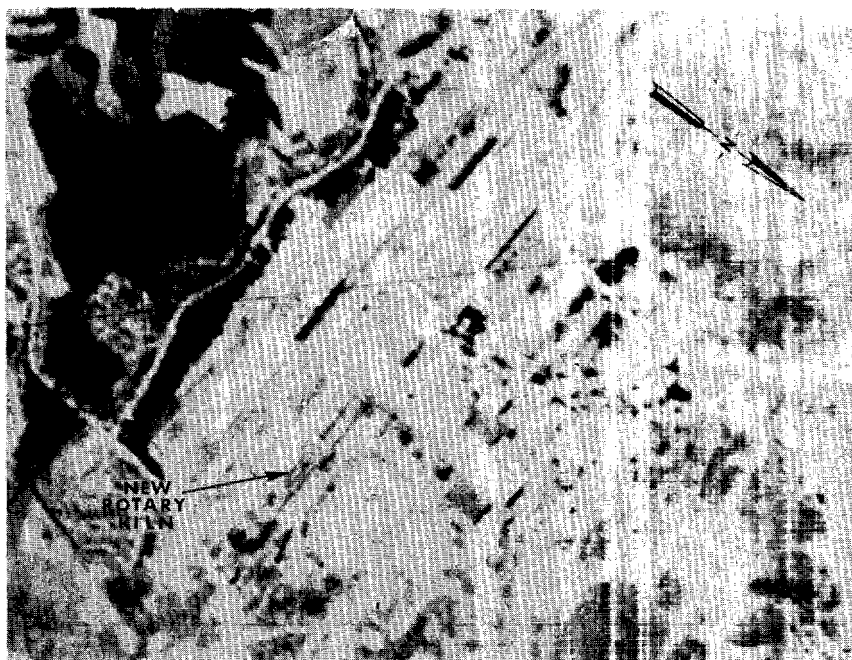


FIGURE 3
HSIANG-HSIANG CEMENT PLANT
27 44N - 112 12E

25X1

FIGURE 4
HUANG-SHIH CEMENT PLANT
30 14N - 115 04E



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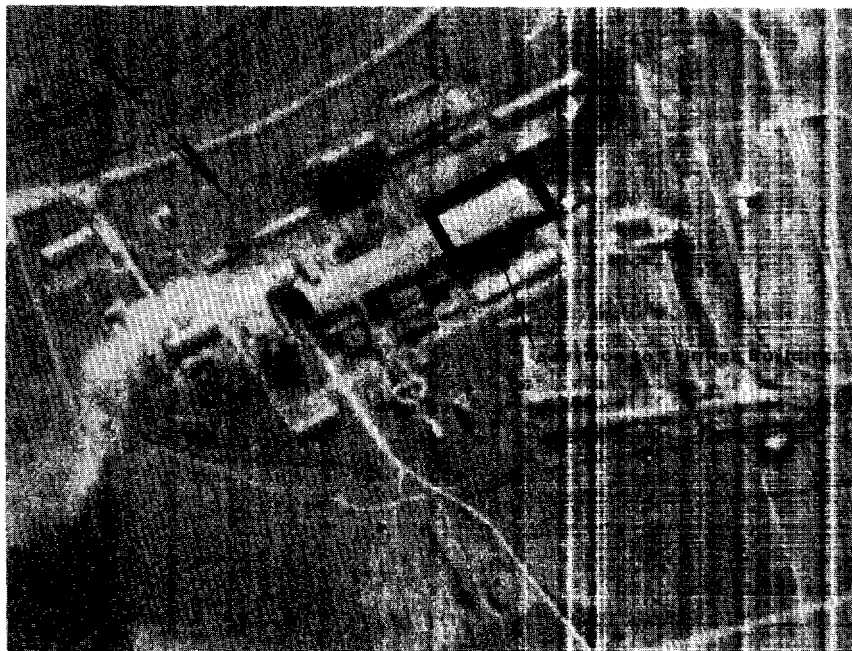
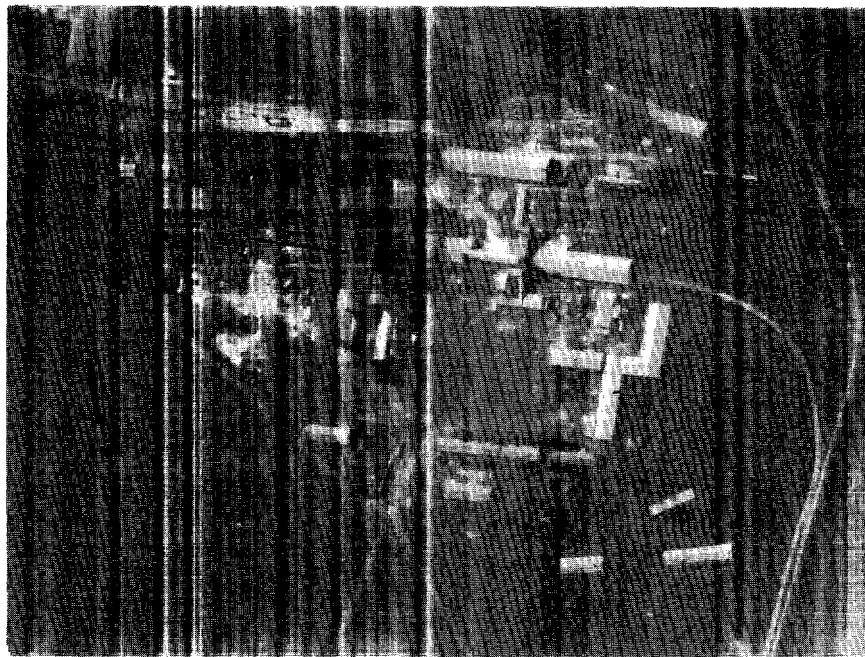


FIGURE 5
MIAO-TOU-CHAI CEMENT PLANT
34 45N - 112 02E

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FIGURE 6
MU-TAN-CHAING CEMENT PLANT
44 26N - 129 29E

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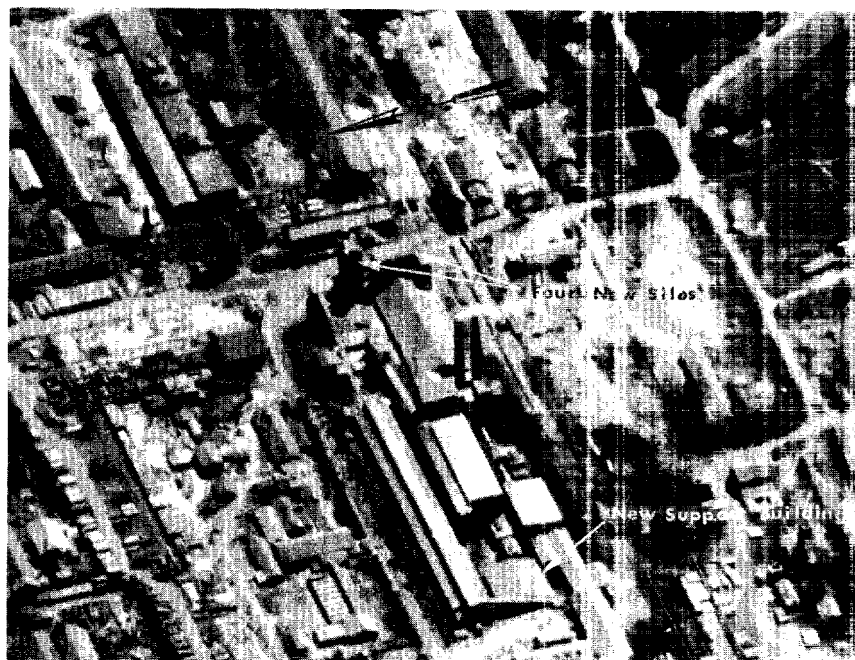
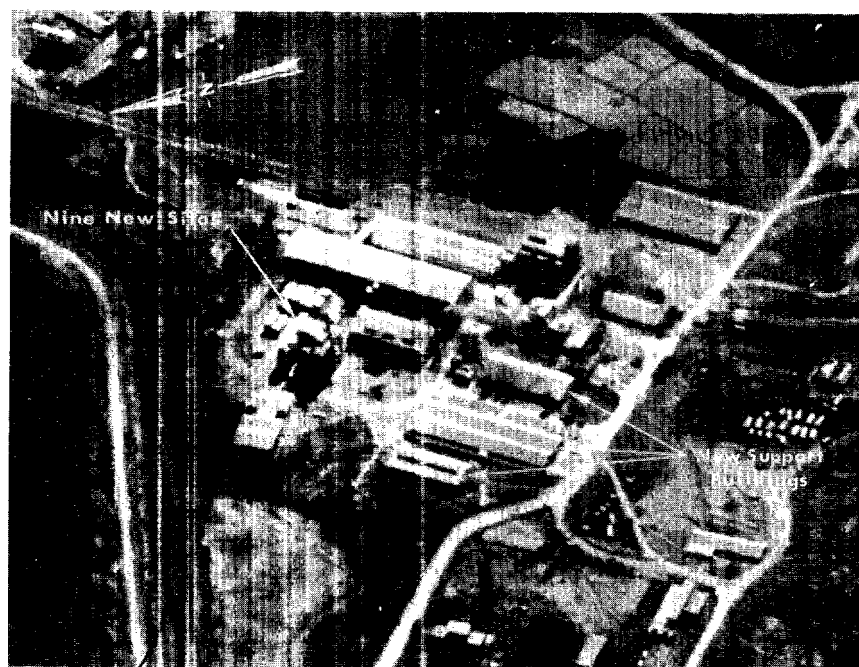


FIGURE 7
WU-CHANG (1) CEMENT PLANT
30 38N - 114 25E

25X1

FIGURE 8
WU-CHANG (2) CEMENT PLANT
30 38N - 114 24E

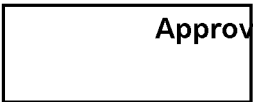


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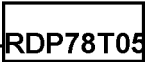
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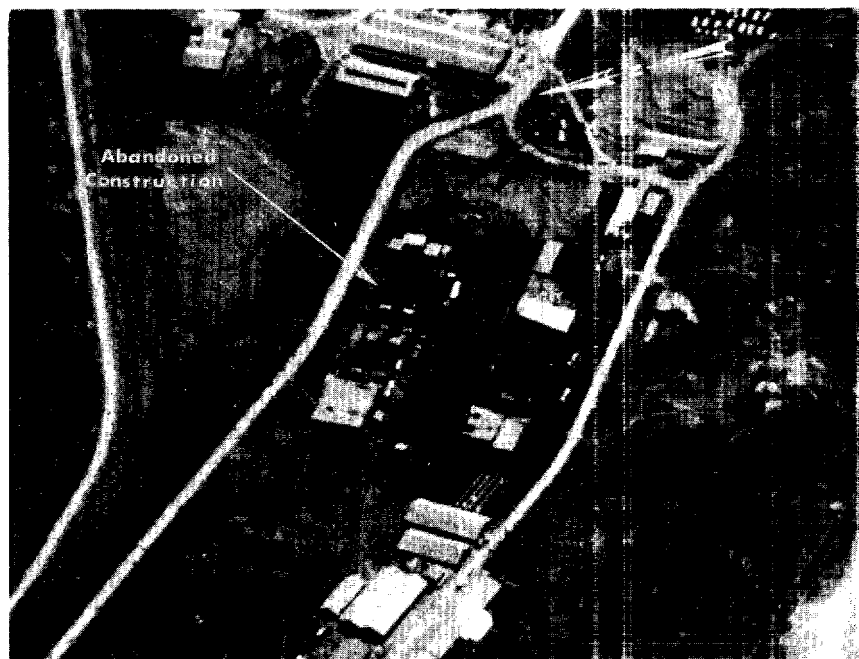


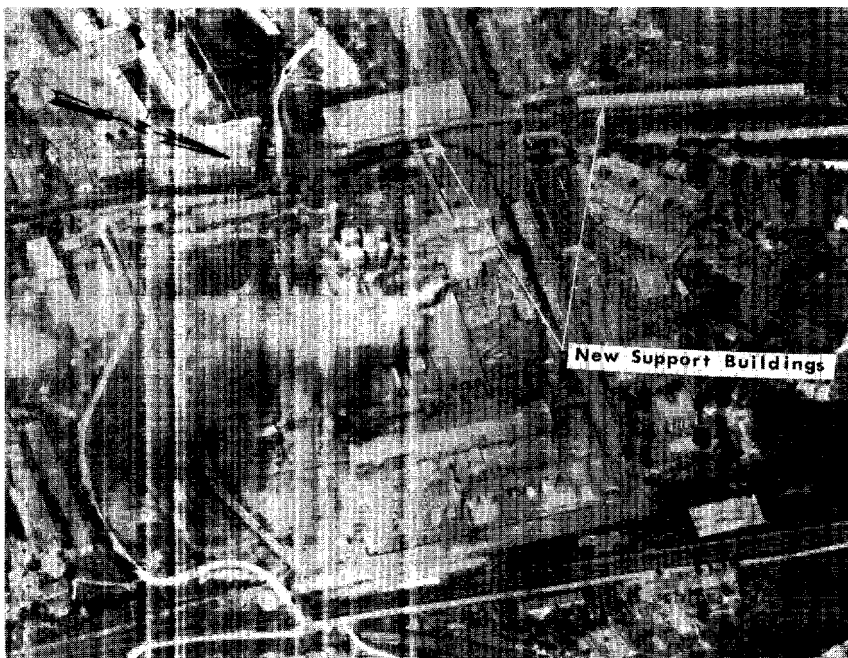
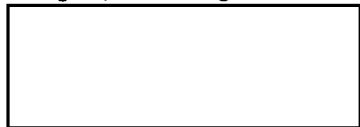
FIGURE 9
WU-CHANG (3) CEMENT PLANT
30 38N - 114 24E



25X1

FIGURE 10
KUANG-CHOU CEMENT PLANT
23 09N - 113 14E

25X1



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